

Anil Kumar Sharma

Mechanical Engineering
Government Engineering College, Ajmer
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Roll No. 19EEAME008
Gender: Male
UG Fourth Year (B. Tech.)
DOB : 19/09/2002

Objective:

As a mechanical engineering student, I am seeking a challenging and rewarding entry-level position in a company that values innovation and continuous learning. I am passionate about the operation and maintenance of machines and automobiles, and believe that my technical skills and problem-solving abilities make me an ideal candidate for a career in this field. I am committed to applying my knowledge and skills in a practical setting, and am eager to contribute to the success of a team that shares my values and vision. I believe that every problem presents an opportunity for growth and learning, and I am always looking for ways to improve my skills and knowledge.

I am confident that my strong work ethic and dedication to continuous learning will make me an asset to any team, and I am excited about the opportunity to apply my skills and experience to real-world challenges.

Examination	Affiliation	Institute	Year	Grade/ Percentage
Graduation	BTU	GEC Ajmer	2023(Expected)	7.1
Intermediate	BSER	MHS Jaipur	2019	75%
Matriculation	BSER	MHS Jaipur	2017	84%

Also Pursuing a **Bachelor of Science** in *Programming and Data Science* from the **Indian Institute of Technology, Madras**.

Internships:

- **Toyota Kirloskar Motors(Summer 2023)**
Completed a training and internship program on Toyota hybrid systems at Toyota Kirloskar Motors. This opportunity allowed me to gain hands-on experience and learn about the latest technology in the industry. I had the chance to work on various projects, test components, and troubleshoot issues. I also learned from experienced professionals and developed my skills in problem-solving, communication, and teamwork. This experience further fueled my passion for the automotive industry and solidified my interest in mechanical engineering.
- **Jaipur Smart City Limited**
I completed my internship as a mechanical engineer at Jaipur Smart City Limited, where I worked on various projects and gained hands-on experience in the field. I worked on various projects related to the design, maintenance, and repair of mechanical systems within the city, and was able to contribute to the development of infrastructure in Jaipur. My tasks included site visits, data analysis, and report creation, and I worked with a team to implement solutions. The internship was a valuable learning experience.

Research & Projects:

- **3-axis Robotic Arm**
I designed and built a 3 axis robotic arm using AutoCAD and SolidWorks, powered by three DC motors. I was responsible for the entire design process and learned a lot about mechanical design and robotics. I also demonstrated my problem-solving skills by troubleshooting any issues that arose during construction. The project was challenging but rewarding, allowing me to apply my knowledge of mechanical engineering principles in a practical setting.
- **Solution for Electric Bike battery overheating**
I conducted research on a solution for the overheating of batteries in electric bikes. My solution involved the use of a mini radiator and coolant system to regulate the temperature of the battery. I began by conducting literature review on the causes of battery overheating in electric bikes and existing solutions. I then designed and built a prototype of the mini radiator and coolant system, which I tested on a simulated electric bike battery. Through this research, I was able to demonstrate my ability to identify and solve a problem related to mechanical engineering. I also gained valuable experience in prototyping and testing.
- **Replica of 6-wheel ROVER**
For my final year project at Government Engineering College, Ajmer, I am designing and building a replica of a NASA Rover with 6 wheels that can move on any terrain. I am using AutoCAD and SolidWorks for the design and a combination of metal and plastic parts for construction. The rover is powered by four DC motors and has a camera mounted on it for remote viewing. I am responsible for the entire design process and am learning about mechanical design and robotics. I am also demonstrating problem-solving skills by troubleshooting any issues that arise during construction. The project is challenging but rewarding, allowing me to apply my knowledge of mechanical engineering principles in a practical setting.

Courses Undertaken:

- **Mechanical Engineering:**

Mechanics, Thermodynamics, Machine Design, Fluid Mechanics, Control Systems, Automobile Engineering, Mechatronics, Metrology and Measurement, Heat Transfer, Dynamics, Manufacturing Processes, Materials Science, CAD/CAM.

- **Others:**

Engineering Ethics, Human Values, Management, Communication, Environment Science, and Disaster Management.

Skills:

- **Technical skills:** Proficiency in technical concepts such as mechanics, thermodynamics, and machine design, including the ability to apply these concepts to design and analyze mechanical systems.
 - **Problem-solving skills:** Strong ability to identify and solve problems related to mechanical systems, including the ability to think critically and creatively, analyze data, and make informed decisions.
 - **Communication skills:** Ability to communicate technical concepts to a variety of audiences, both in writing and orally, including the ability to present technical information clearly and concisely and to listen to and understand the needs of clients and colleagues.
 - **Interpersonal skills:** Experience working effectively in a team setting, including the ability to listen to and respect the ideas of others, negotiate and compromise when necessary, and collaborate to achieve shared goals.
 - **Computer skills:** Proficiency in computer-aided design (CAD) software, such as AutoCAD and SolidWorks, as well as experience working with a variety of other software programs, such as analysis and simulation tools.
 - **Hands-on skills:** Practical experience working with mechanical systems and the ability to use a variety of tools and equipment, including the ability to fabricate and assemble components and troubleshoot and repair mechanical systems.
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Extracurricular & Interests:

- Participated in a robotics club, where I designed and built a 3-axis robotic arm.
 - Volunteered at local STEM events, helping to educate and inspire young students.
 - Member of the Society of Mechanical Engineers (SME), where I networked with industry professionals and attended technical seminars.
 - Enjoy tinkering with machines and automobiles in my free time, and have a strong interest in the latest technological developments in the field.
 - Avid reader, with a particular interest in non-fiction books on science, technology, and engineering.
 - Enjoy hiking and exploring the outdoors, and have a passion for travel and experiencing new cultures.
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Declaration:

The information contained in this resume is a true and accurate representation of my education, skills, and work experience. I understand that any false or misleading information may result in my disqualification for employment. I am confident in my ability to make a valuable contribution to any organization, and am committed to applying my knowledge, skills, and experience to the challenges and opportunities of a professional career.

